



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov



CONFIRMATION NO. 4026

Bib Data Sheet

SERIAL NUMBER 09/847,525	FILING DATE 05/01/2001 RULE	CLASS 424	GROUP ART UNIT 1645	ATTORNEY DOCKET NO. NB-2016.00
-----------------------------	-----------------------------------	--------------	------------------------	--------------------------------------

APPLICANTS

Ming Fai Chan, Encinitas, CA;
 Rosario S. Castillo, San Diego, CA;
 Qing Li, La Jolla, CA;
 Venkata Ramana Doppalapudi, San Diego, CA;
 Mark Stephen Hixon, San Diego, CA;
 Thomas J. Lobl, Foster City, CA;

1 Drawing

** CONTINUING DATA *****

THIS APPLN CLAIMS BENEFIT OF 60/201,642 05/02/2000

** FOREIGN APPLICATIONS *****

IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** SMALL ENTITY **

** 08/15/2001

Foreign Priority claimed	<input type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY	SHEETS DRAWING	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance	CA	14	73	3
Verified and Acknowledged	Examiner's Signature _____ Initials _____				

ADDRESS

022836

TITLE

Beta-lactam antibiotics

FILING FEE RECEIVED 912	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
----------------------------	---	---

FIGURE 1

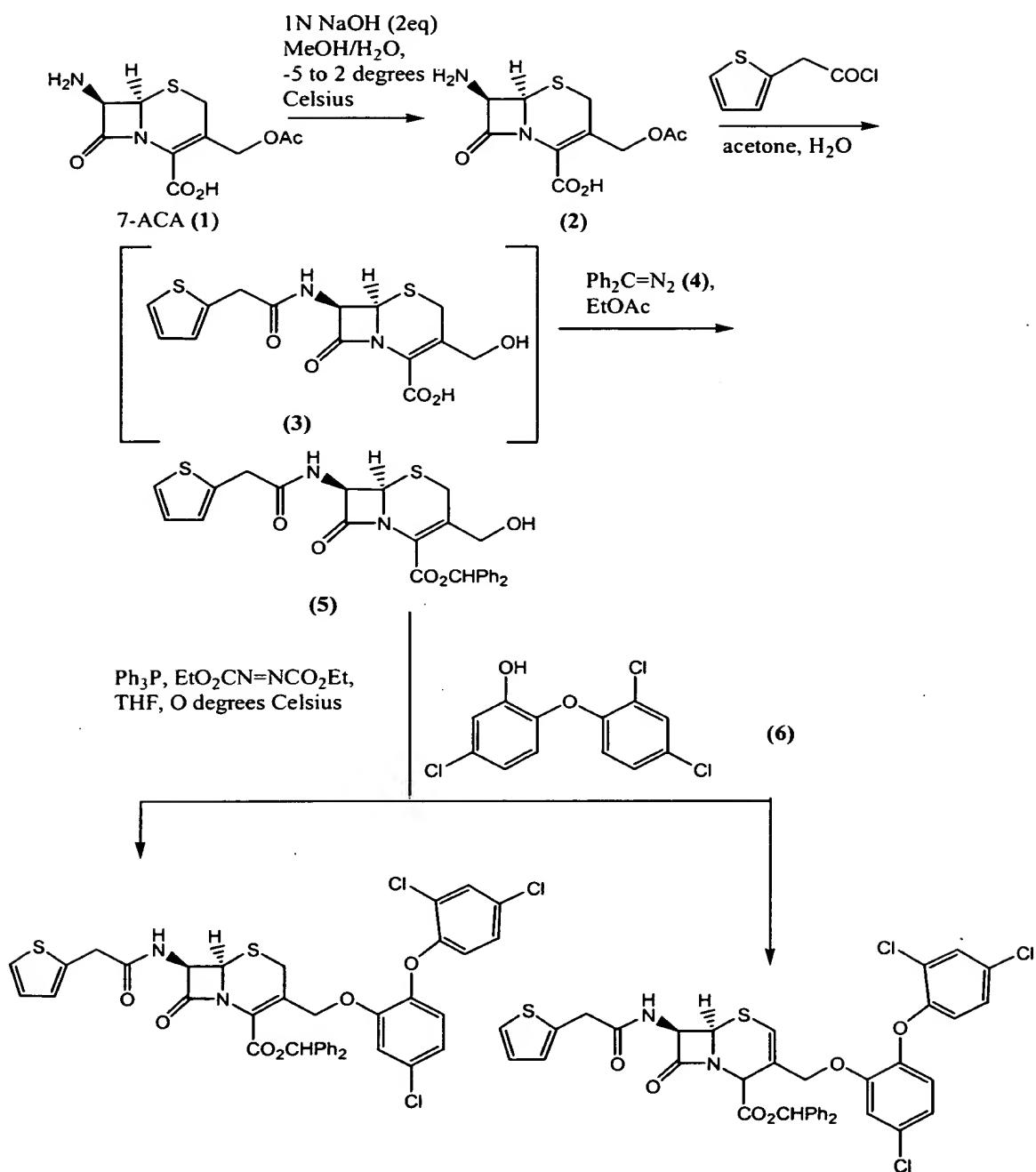


FIGURE 2

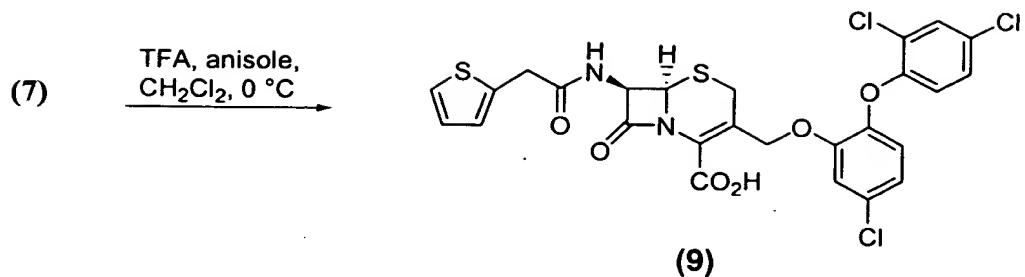


FIGURE 3

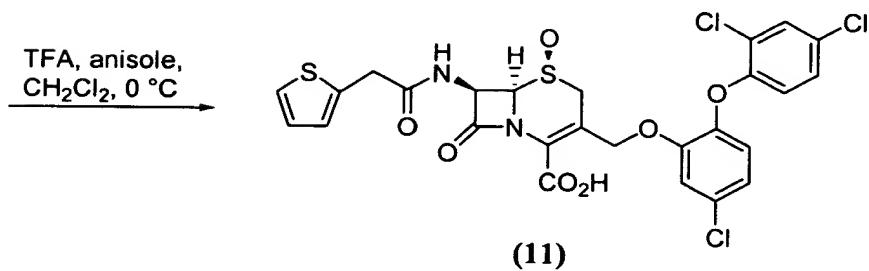
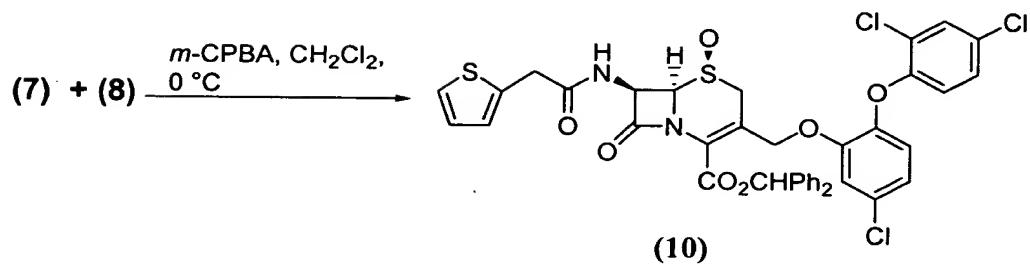
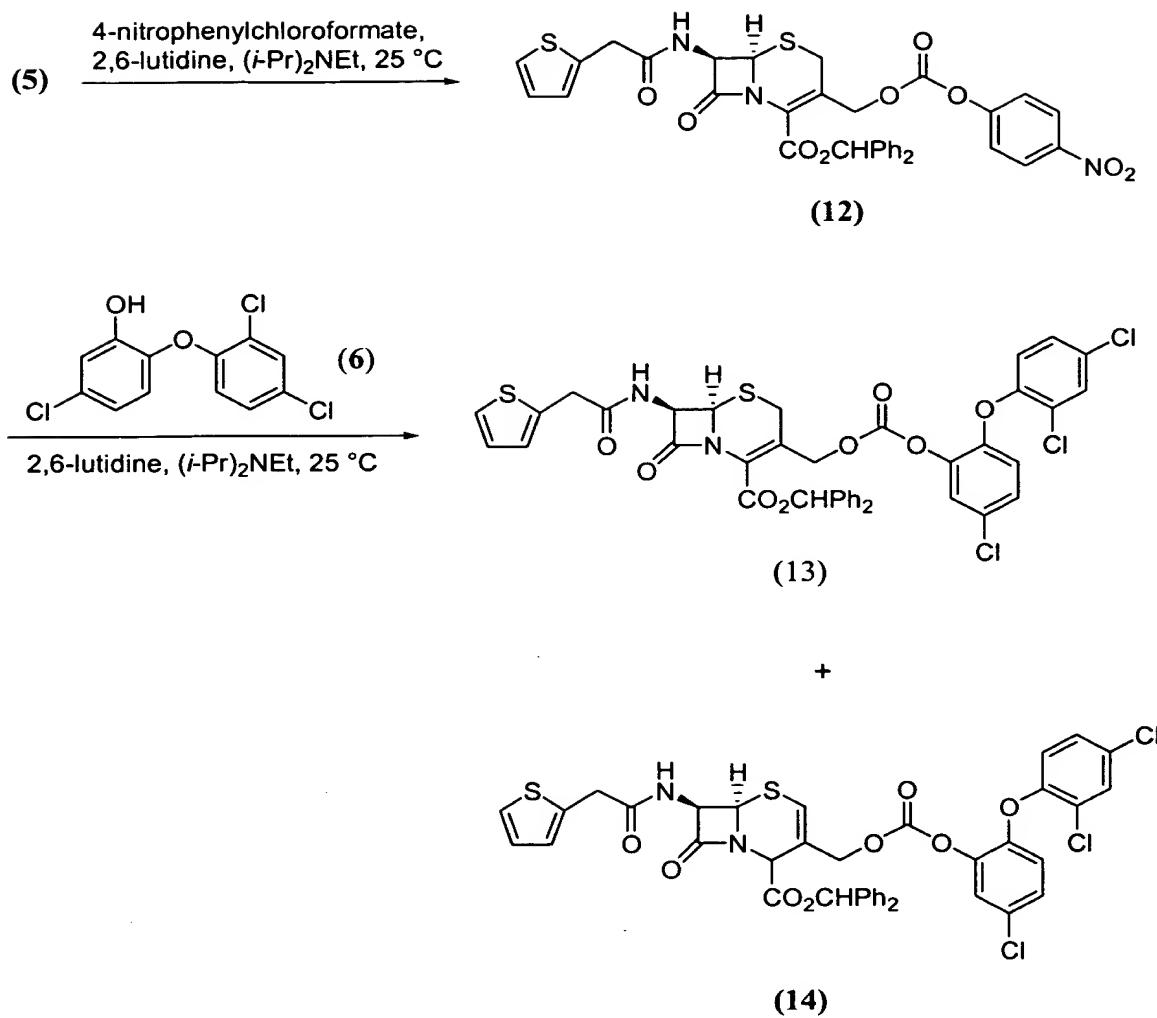


FIGURE 4



09847525 "050104"

FIGURE 5

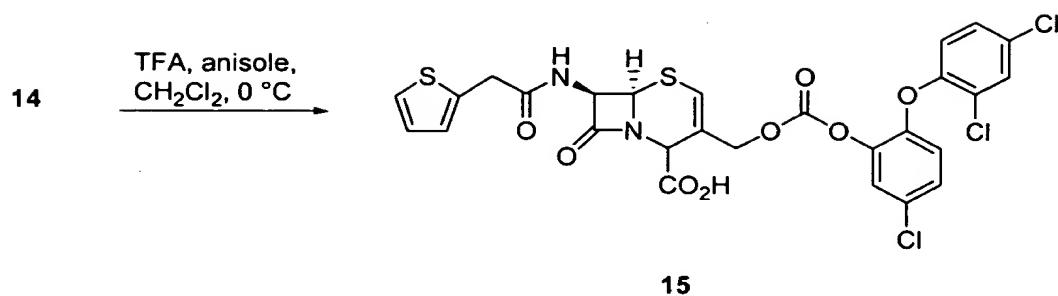


FIGURE 6

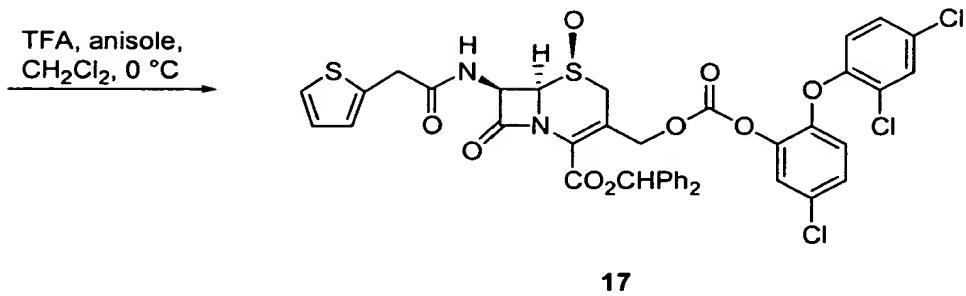
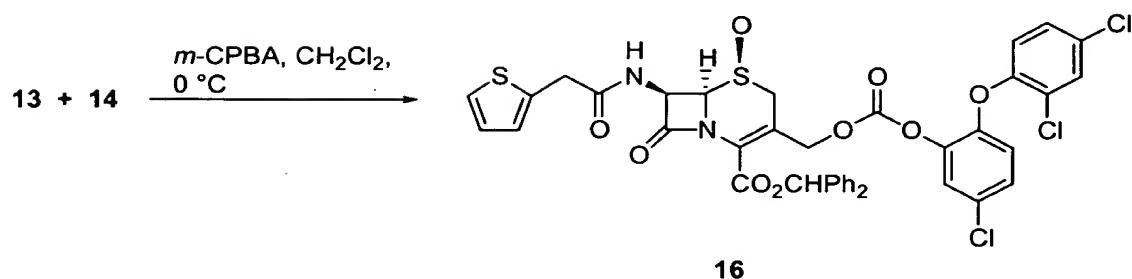


FIGURE 7

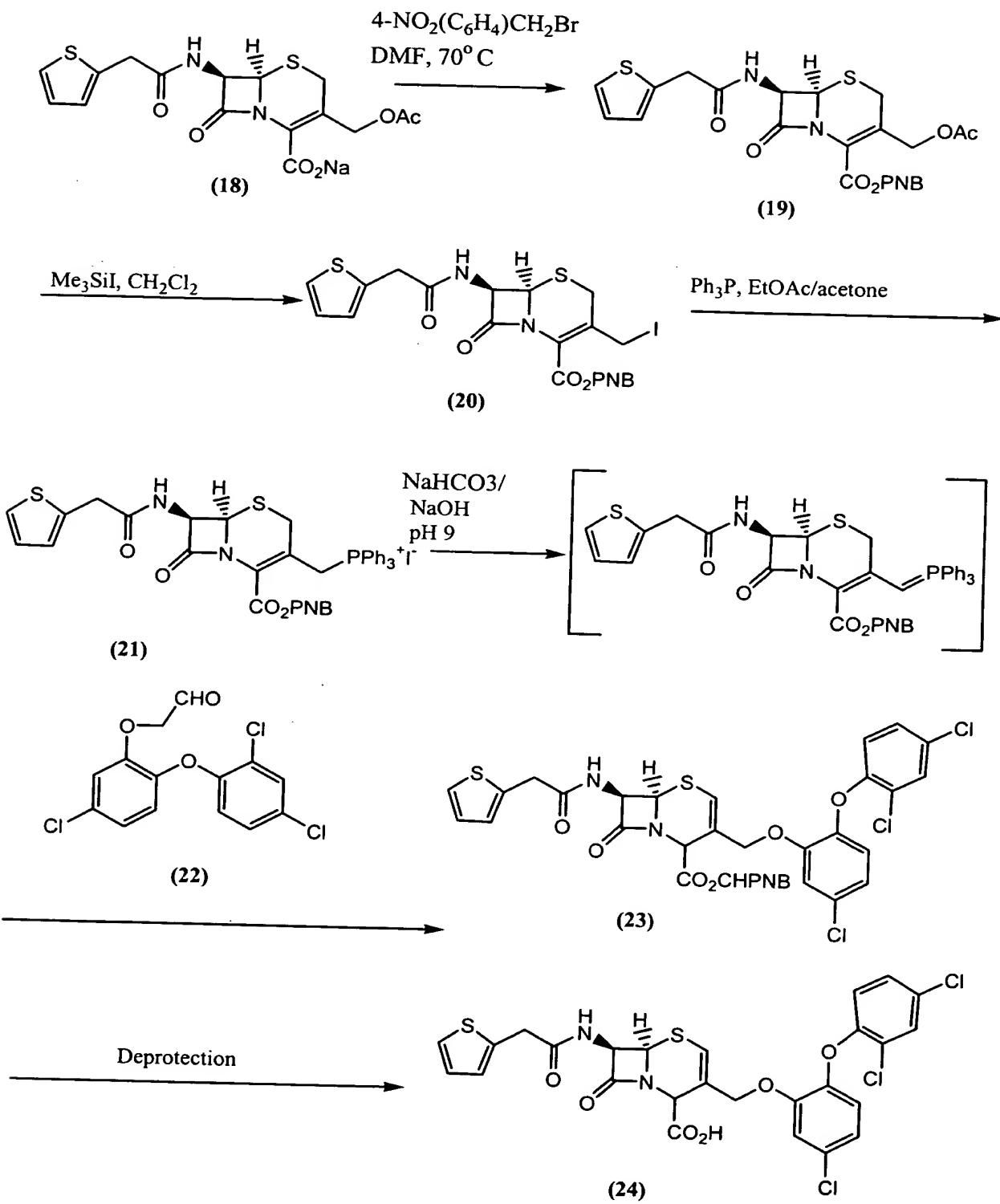


FIGURE 8

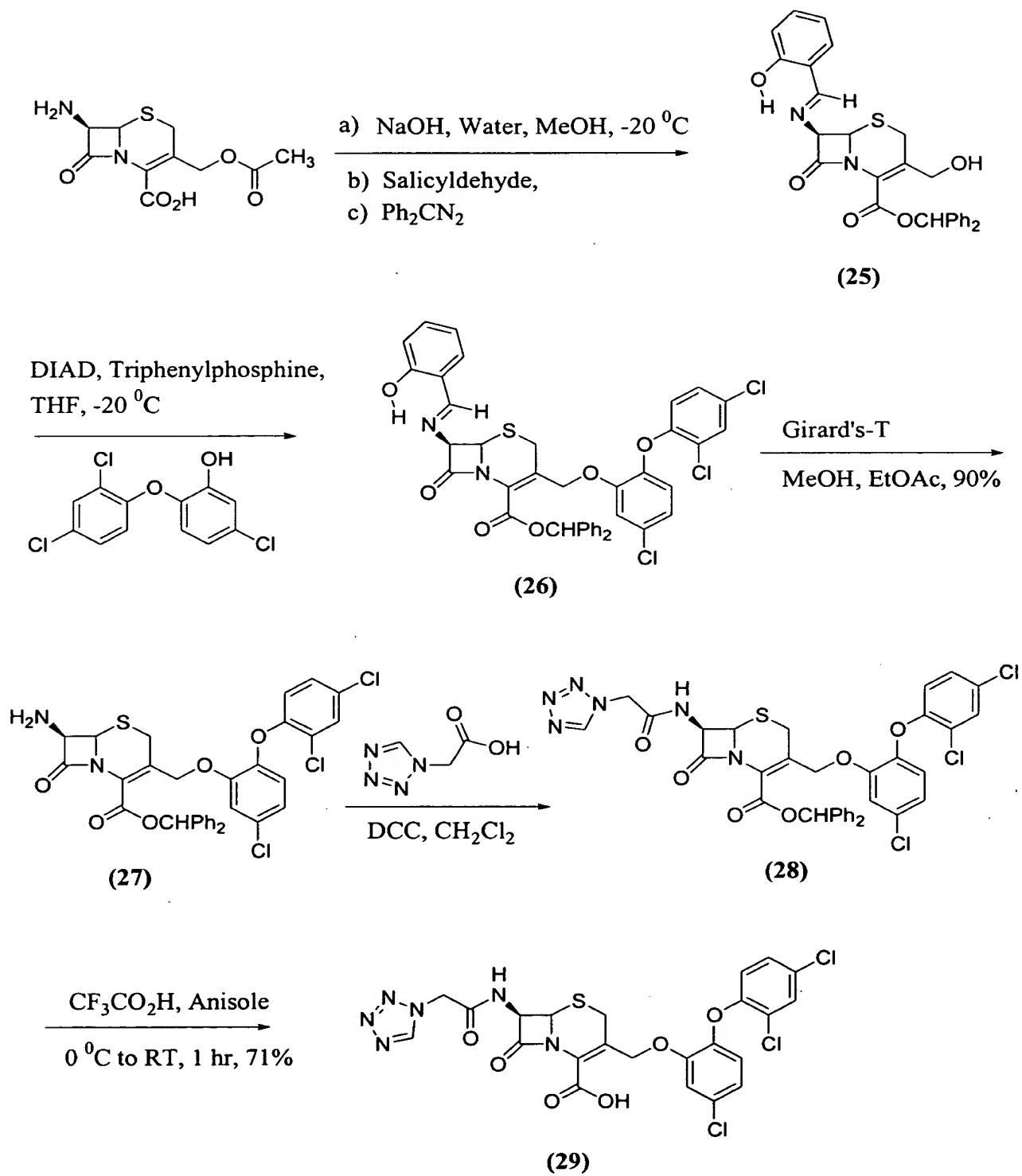


FIGURE 9

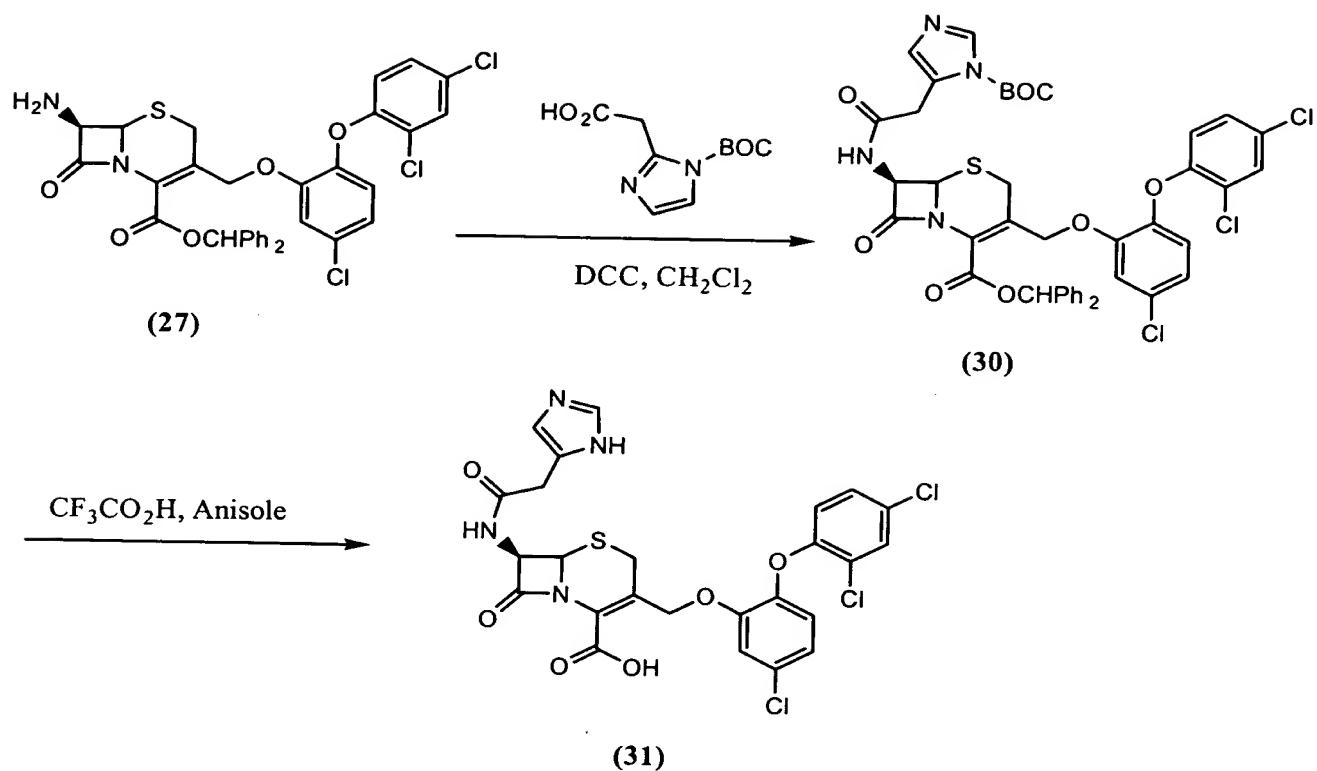


FIGURE 10

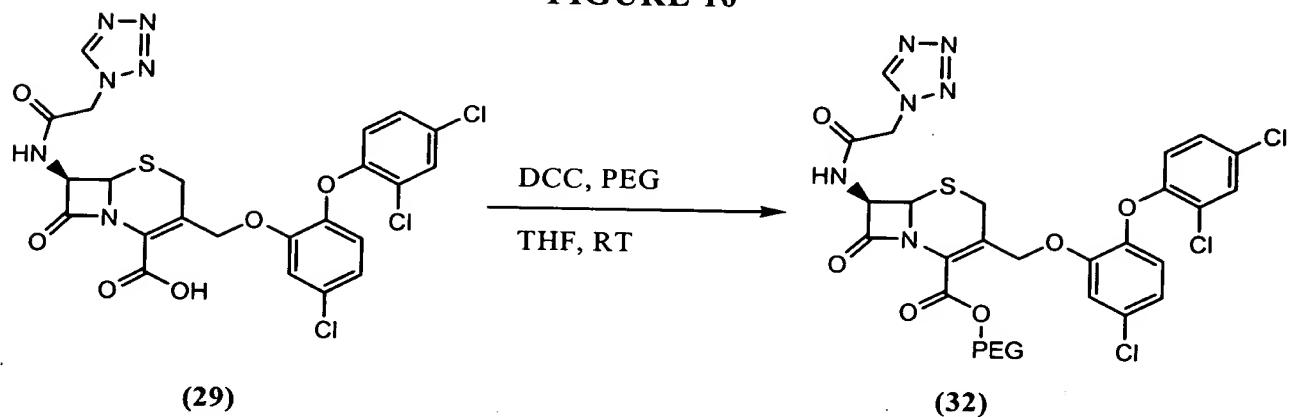


FIGURE 11

TMDSO-SEGMENT 60

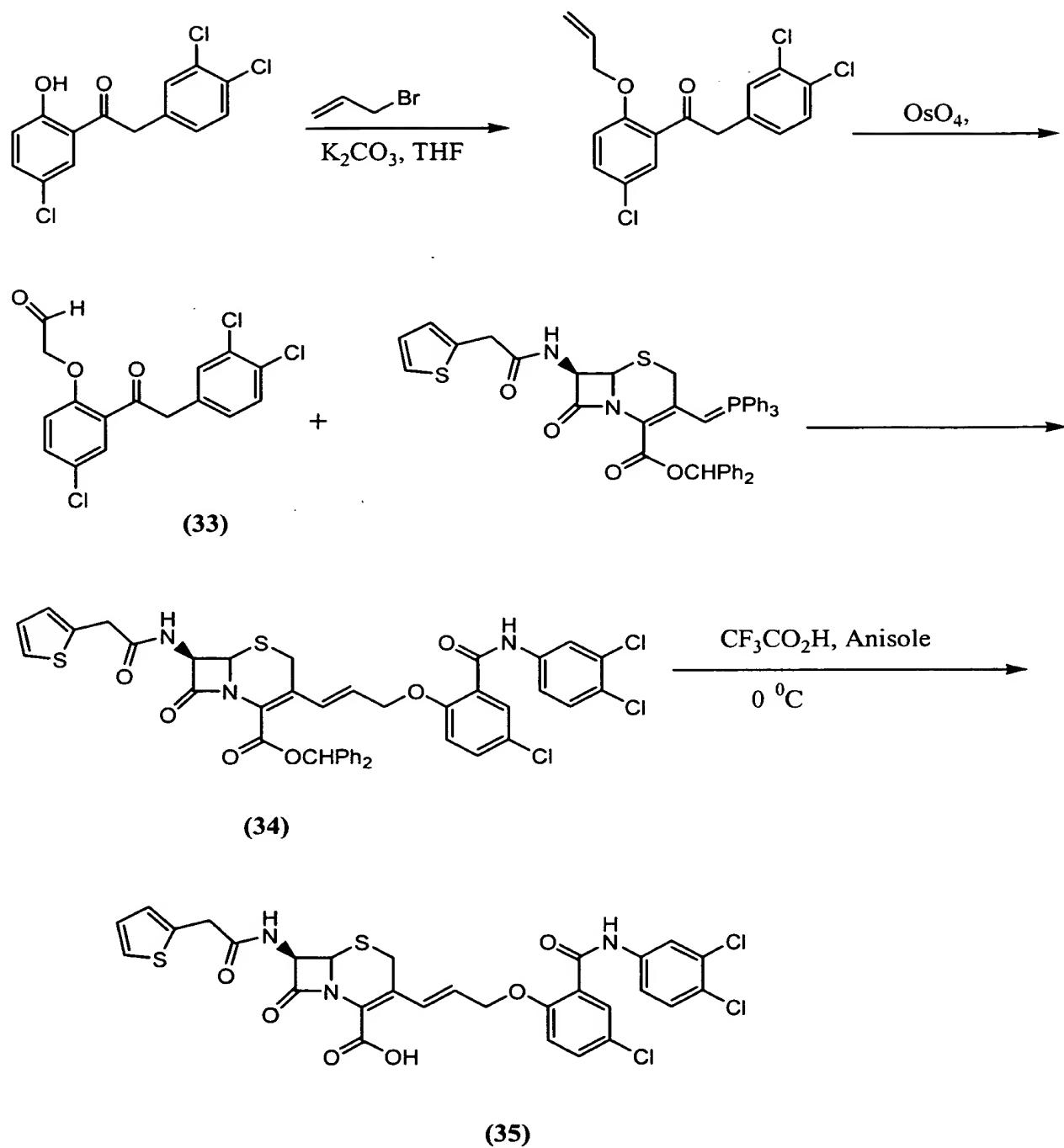
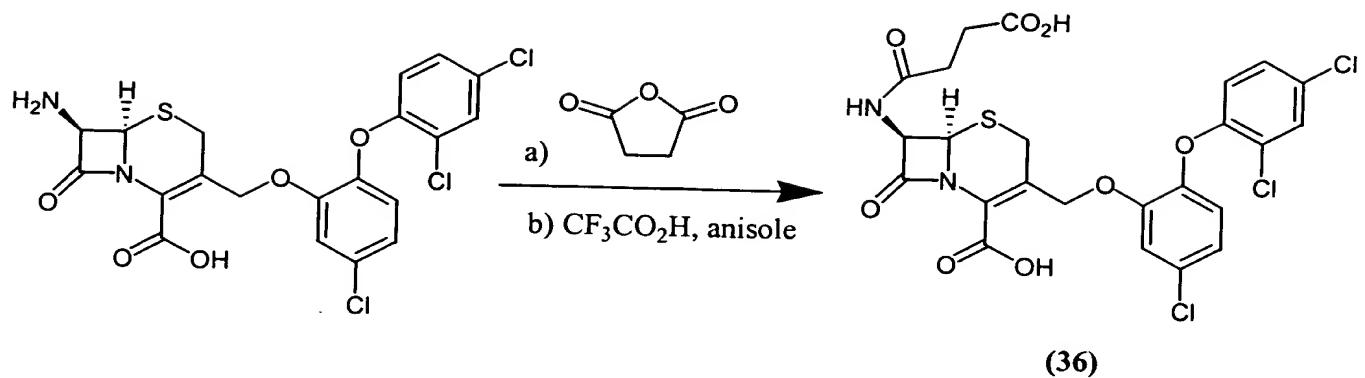
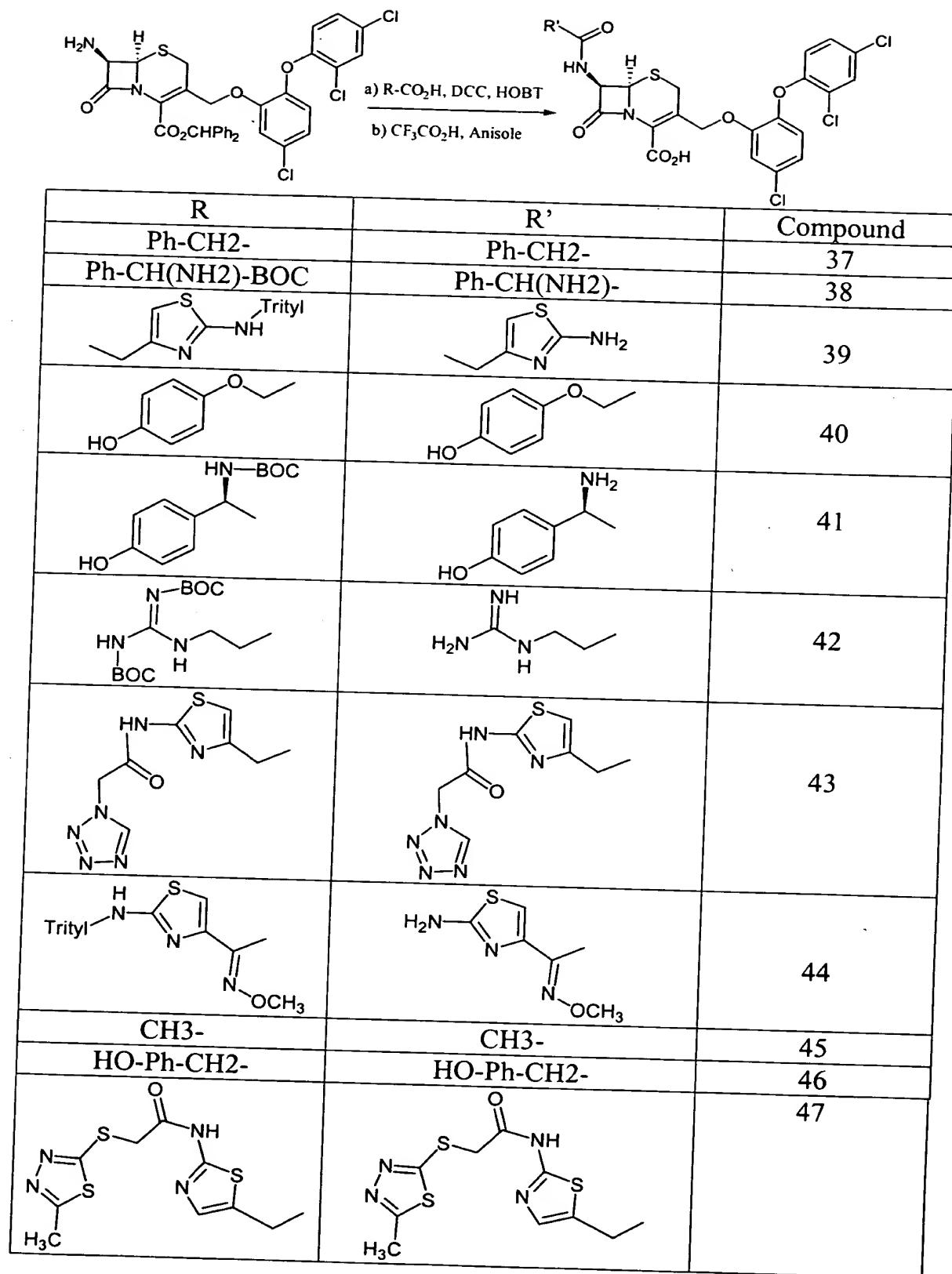


FIGURE 12



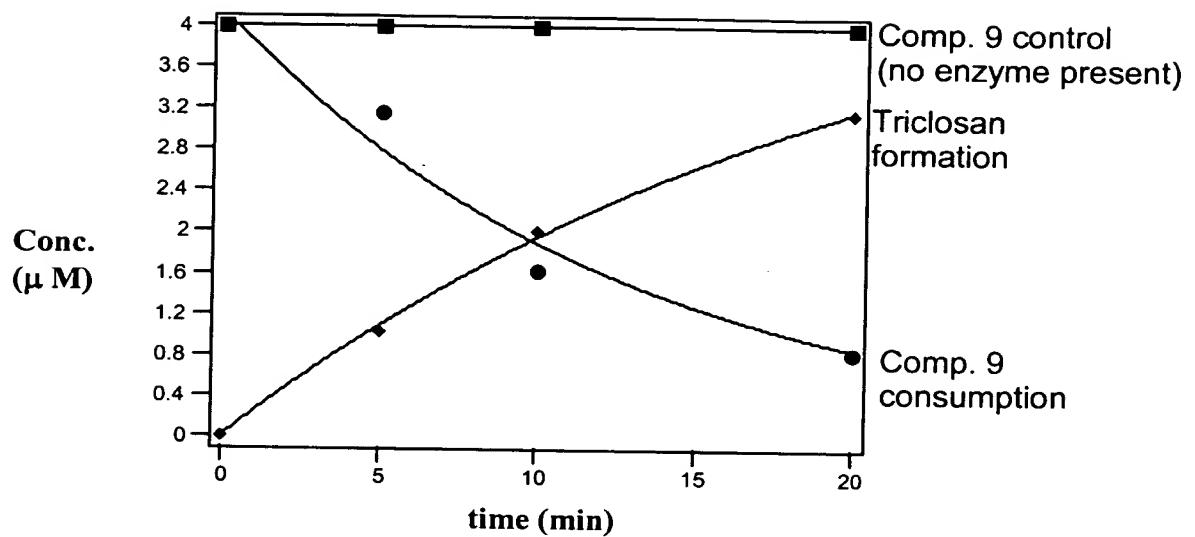
R	R'	Compound
Ph-CH2-	Ph-CH2-	37
Ph-CH(NH2)-BOC	Ph-CH(NH2)-	38
		39
		40
		41
		42
		43
		44
CH3-	CH3-	45
HO-Ph-CH2-	HO-Ph-CH2-	46

FIGURE 13



0984752501041

FIGURE 14



TEM-1 β -lactamase (12.5 nM) catalyzed hydrolysis of Comp. 9
100 mM K-phosphate buffer pH 7.2 with 1 mM EDTA

FIGURE 15

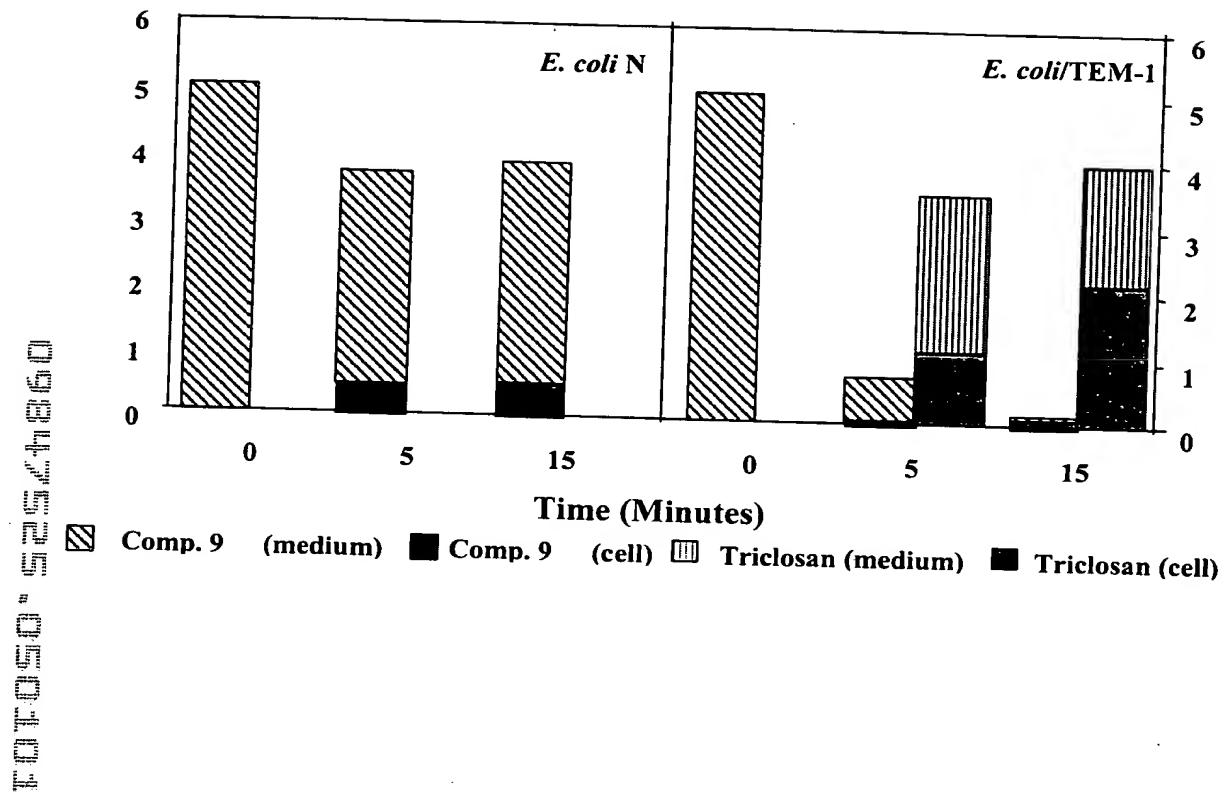


FIGURE 16

Bactericidal activity of Comp (9) vs. *S. aureus*

